

ABSTRACT

APPLICATION OF NAIVE BAYES CLASSIFIER ALGORITHM IN CLASSIFICATION OF STUDENT TUITION FEES

(Case Study of Xav 13 Junior High School Tj. Sakti)

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Every year, school, one of the educational institutions, always do their general routine activity. That is accepting new students. In this section, there are some process that should be undertaken by school, like promotion, filling form by prospective students, students selection and parents of student' interview. The results of the interview data inaccuracies often happen because it is still influenced by a factor of subjectivity so that built a system that can assist the school in classifying the tuition.

One method of classification that is often used is the Naive Bayes Classifier. Naive Bayes Classifier perform calculations based on criteria which is used for classification of tuition fees. This research uses Naive Bayes Classifier Algorithm with some of criteria that have been set, including parents income, electricity cost, housing condition and number of vehicles.

The results of this research is, the program that created it can be classified into three grades for classes that have the specified low, medium and high. In support of the program, there are five data entered into the program as test data. The result is that there are four appropriate data between manual and calculation programs. Therefore, the presentation of the program's success was 80%.

Key words: Tuition fees, Naive Bayes Classifier, Criteria